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AIR AND CLIMATE.

BY ALEXANDER OTT.

gradually produced by the drainage of large led and the carbon remains. magnificent city. Prince Potemkin, the re- plants. climatic improvement of that country

cordance to which everything filthy and un- comes within the province of acoustics. clean had to be removed. It is well known, The peculiar expansibility of the air, that there. That house and lot used to belong to beaten spaniel. (ruel and imbecile successors.

inhabitants of the eternal city as the cholera climate entirely unknown in the moderation, "If Tompkins is out you'll be treated firstin India. Yet, if we can credit the accounts bence we find the winds in the latter portion rate there. Mrs. Tompkins is a nice woman, of the early historians of the classical ages, of the globe variable and uncertain, which but he is the snarliest cur that ever knawed a have turned brigands en masse. Thus one of June, July, August and September. It comes along and got into work for her, and he laid may throw in their way. the finest countries in the world, is for miles from the south-west, and the clouds pour down himself out to do first rate.

tends to pulmonary consumption (pthisis pul- seldom overtaken by surprise. monalis) is of rare occurrence. Dams and Air and climate being thus some of the Mr. Towne watched him as he went up to put it in his "stove pipe" hat; but the old elasticity of spirit.

while in the eastern states of our Union, but climates. dreary morass intersected by small strips of tory of different nations. land, where the effeminate Roman soldiers

died by hundreds.

If we recollect that the immense ocean of gaseous matter which envelopes our planet, is land of Java, in the Indian Ocean, is one of the most more or less depending upon exhal tions important colonial naval-stations of the Dutch I expect he will be in, every moment." arising in the shape of vapors or elastic fluids; government. -that further, every tender plant through the its quantum of aromatic or offensive air to the atmosphere; that all the animal creation expels carbon; that all animal and vegetable matter in which life is extinct, undergoes the process of oxidation that, in fine, vapors are

variously estimated, extends, according to the modesty is extremely unbecoming. In mixed he is. Hasn't the man any teeth?" greatest scientific authorities, to one hundred companies, whoever is admitted to take part | At last she sad mildly, "I am very sorry to commenced a series of volcanic-like convulmiles from the earth. Its rarity increases in them, is, for the time at least, supposed to hurry you, but couldn't you let me spread sions, that might be termed "hearty laughwith the distance from our planet. The low- be upon a footing of equality with the rest, some bread and butter, and cut some slices of ing." est strata of air are generally the densest, and and, consequently, every one claims, and very meat to take away with you? My husband The thief ran, after he had left the house, the highest the thinnest. The computation of justly, every mark of civility and good-breed- will use abusive language to you, if he finds a long way, not having had time to meditate its height is however a very relative or un- ing. Ease is allowed, but carelessness and you here." certain one, as var ous meteorological causes negligence are strictly forbidden. There is Before the soldier could reply, footsteps find time, he discovered he was quite "Used in different altitudes conspire to disturb fre- nothing so little forgiven as seeming inatten- were heard on the door stone at the back Up," and vowed he'd never be guilty of earnquently the atmospheric equilibrium; suffice tion to the person who is speaking to you. door, and a man entered. He stopped short, ing his bread and butter in such a way again. it to say, the densities of the air decrease in a We have seen many people, who, while you and looked at the soldier as a savage dog It is presumed he kept his word. geometrical, as the distances increase in an are speeking to them, instead of looking at might look. Then he broke out in a tone arithmetical ratio. From computations based and attending to you, fix their eyes upon the between a growl and a roar: on barometrical observations at different alti- ceiling or some other part of the room, look "Hey day, Molly; a pretty piece of busi- common mode of blasting rock under water

organs in action, but also, by imparting in its unwelcome and tiresome pedantry. A man than you came on the premises." elementary parts essential aid to the existence who is not well bred is unfit for good society, "Your house! your land!" exclaimed the streams only a small amount of force exerplace, without attracting the attention of but covers the want of it.

a few enquiring minds, viz, the coloring of

The plants are constantly supplied with carbon, which, when connected with the green leaves, is immediately, by the acid of the In Russia great climatic changes have been solar light, decomposed, the oxygen is expel-

forests. Peter the Great, the founder of St. that quite recently the discovery has been street. He looked about on the cornfields Petersburg, did everything that lay in his made by M. Herve Mangon, in Brussels, in tasseling for the harvest, on the rich, bright air of effrontery. power to prepare the unhealthy banks of the Belgium, that the electric light obtained from Neva, which is in reality only a portion of the a magnetic-electric machine, has the property

nowned premier, the Empress Catherine, but Without dwelling upon the most common supper. especially Nicholas and his son Alexander II, properties of the air, such as materialism, The latter was a stout farmer, dressed in between us." have done a great deal for the physical and elasticity, fluidity, etc., things which are well home-made brown linen trowsers, without known to almost every one of a most common suspenders, vest or coat. The ragged soldier stood dumb with astonishment, "take me-In Italy, especially in the Romagna or the education, I mention here, that it is a very stopped under the shade of a great sugar ma-Papal dominions, the earliest rulers of Rome important agent or medium of propagating ple, and Mr. Towne, overtaking him, stopped like Numa Pompilius, Lucius Tarquinius, sound. Experiments show that in places also. Lucius Publicola, etc , had the marshy country which are entirely exhausted by means of the transformed into a flourishing tract of land, air-pump, vibrations cannot be received from by the establishment of large and extensive sounding bodies, and be conveyed to the auri- plied the man. "I've been a prisoner for

however, that through neg ect and constant is to say, the extraordinary tendency of the internal and external feuds, the improvements pneumatic fluid to spread itself through the Jones, but he was shot at Bunker Hill, and everybody in the town knew that Harry Jones commenced by a few good and wise kings of immensity of space, and fill up thin layers or his young widow married again." Rome, were entirely destroyed by their base, strata of atmosphere, when assisted by the solar light or the heat emanating from the The mephitic vapors arising from the Pon'i- rays thereof, causes the phenomena of winds. kind of people are they? Would they be nian swamps cause the so-called malaria, a As remarked in the previous article, in the tor- likely to let a poor soldier have something to ly said, and what Molly felt, I must leave you fever which is almost as much feared by the rid zone exists a uniformity and regularity of ear?" the sickly climate of the Romagna had m ch circumstance often baffles the calculations of bone. He is a terrible surly neighbor, and In Old England lived an industrious and nothing but a reservoir of memphitic vapors. the accumulated stores they have been gather- "He somehow got on the blind side of all of vicinity of this honest man's establishment, In Holland where the climate and physical ing for some months over the Indian Ocean. us, and, when he offered himself to her, I "seeking what he might devour," when the condition is naturally not so favorable, and The approach is indicated in the latter part of advised her to have him, and I am sorry I did old man had occasion to go to the rear of his the country is often liable to inundation by May by the atmosphere becoming hazy and it. You had better come home with me. I building to get the shutters of his shop. rains and the sea, the iron will of the people moist, by large banks of watery-looking always have a bite for a poor fellow that's Seeing his chance he made for the shop and has created a fine, flourishing country with clouds in the afternoon, and by white fleecy fought for his country." very little sickness. The inhabitants gene- clouds resting on the hills and mountains for "Thank you," kindly returned the soldier, might "appropriate," and fearing the old man

dykes have been built in every direction, and principal media of animal and vegetable life, the door and knocked, and saw that he was grocer being too sharp for him, "twigged" the almost every piece of ground has been made and the source of all meteorological and many admitted by M s. Tompkins. available for some useful purpose. The air other phenomena, it may be well to mention, "Some sweeth art of hers, may be," said cool as a cucumber under trying circumstances, is moist, but bracing and healthy, and the that on account of the always direct rays of Mr. Towne, nodding to himself;-"he comes and being very fond of a good joke, he was depeople are generally of a so-called plethoric or the sun in the tropics, the so-called zone or too late. Poor woman, she has a hard row termined to make the thief pay for his prosanguine constitution, that is to say, they belt of the earth, becomes more heated than to hoe now." possess a body in which the activity of the any other part of the surface, hence the warm | Then Mr. Towne went home to supper, and about to give him. Accordingly, he beckonc reulative sys em prevails, with a frame full state of the atmosphere and of the soil day we will go on with the soldier. and stalwart, and a peculiar buoyancy and and night adds, when assisted by sufficient "Could you give a poor soldier a mouthful up, he desired him to come into his sitting-In Amsterdam, a place whi h is almost en- ductive powers of nature. Vegetation springs who opened the door for him. tirely built on piles in the water, very few up with a degree of rapidity and grows with "My husband does not allow me to give acquaintance.

especially in the large cities, that atal mala- The climate exercises not only physical in- you some supper, if you won't be long eating old man in, who, on entering, bade the good dy carries off thousands and becomes in many fluence, but also a moral or psycholog cal one, it;" and she wiped her eyes with her white lady to make a warm fire as the night was families hereditary. At the time that is to say, the mental disposition or tem- and blue checkered apron, and set about with somewhat cold, and requested his friend to Romans held possession of Ho land, or Bata- perament is, to a great extent, governed by alacrity providing refreshments for the por draw his chair close up to the fire, as he did via as it was then called by the foreign in- a somatic or bodily constitution, a fact well man who had thrown himself into the nearest so himself. vaders, that country was represented as a vast, known to all who are familiar with the his- chair, and with his head leaning on his breast, After conversing some time on old matters

process of respiration or breathing, imparts and fair seasons, or into the south-west monsoon and to the Society of Friends; but that could not brow. the north-east monsoon.

Politeness.

constantly rising from rivers, lakes oceans There is nothing more difficult to maintain, knew he would not be so cruel as to let spread all over his head in a white cake. and even from the land, through the medium or necessary to poss ss than perfect good Tompkins come in and catch him." of solar heat, it is evident from the above breeding, which is equally inconsistent with She went and looked from the window, un- loose your hair, eh! No! what! butter?" facts, that the local condition of the air is a stiff formality, an impertinent forwardness, easily, but the soldier gave no token of his At this moment the thief began to realize governed, to a certain extent, by the peculiar an awkard bashfullnes. A little cerem ny meal coming to an end. effluvia arioing from the ground. is sometimes nece sary; a certain degree of "Now he is pouring vinegar on the cold roll of butter, and, as quick as thought, dart-The height of the atmosphere, although firmness is absolutely so, and an awkward cabbage and potatoes. Oh! dear, how slow ed for the door, leaving his new "stove pipe" tudes, the density of the air at a distance of out at the window, lift a book or newspaper, ness. What have I told you, time and again, is that of sinking cannisters of powder upon seven miles from the earth, is only one-fourth. and read it. Nothing discovers a little, futile, madam? You'll find you had better mind the reef or rock, which cannisters are The air is of vital importance for the animal frivolous mind more than this, and nothing is your master. And you, you lazy, thieving connected by wires with an electric battery loand vegetable kingdom, not only as a life-s s- so offensively ill-bred. Be sure that the pro- vagabond, let me see you clear out of my cated at a safe distance away, either upon a taining medium, by bringing the respiratory foundest learning, without good breeding, is house and off my land a good deal quicker boat or on the shore and the powder is explo-

THE RAGGED SOLDIER.

A TALE OF THE REVOLUTION.

Just at the close of the revolutionary war: there was seen somewhere in one of the small tracts of marshy land and the hewing down of By way of parenthesis, I will mention here, forlorn looking soldier coming up the dusty in his voice. patches of wheat for the sickle, and on the green potato field, with curious eyes; so at

"Home from the wars?" he asked. "I am just out of the British clutches," re-

a comrade of yours, I suppose; his name was The soldier leaned against a tree.

"What kind of a man is he? I mean what

rally are healthy and robust. Asthma or a some hours in the morning. These phenome- "but Mrs. Tompkins is a distant-a sort of would return before he had accomplished his difficulty of breathing arising from a non-de- nas are so sure indications of its approach old acquaintance. The fact is, I used to know object, he seized on a roll of butter that lay velopment of the thorax or chest, and which that people accustomed to observe them, are her first husband, and I guess I will call near him on the counter, and not having a

moisture, force and vigor to the ordinary pro- to eat?" he asked of the pale nervous woman room, telling him that he wished to have a

-and how long he was about it.

Mrs. Tompkins fidgeted.

and beauty of plants. Carbon, or more core and is unwelcome in it. Make, then, good soldier, s'arting suddenly up, erect and tall, ted by this method of blasting under water; rectly expressed, carb nic acid, is one of the breeding the great object of your thoughts and lashing off his hat with a quick, fiery but at a considerable depth, the downward component elements of the air. It is true, its actions. Observe carefully the behavior and gesture. His eyes flashed like lightning, and pressure of the water acts live a lever to make quantity is small, but nevertheless by the All- manner of those who are distinguished by his lips quivered with indignation, as he con- the powder exert its force downward, and viwise Creator, it is so nicely and so sufficiently their good breeding. Imitate and endeavor to fronted the astonished Tompkins. The latter olently split the rock asunder. We are indebtgenerated, that one of the most interesting excel, that you may at least equal them. Ob- was afraid of h m; and his wife had given a ed to Professor Mallefert for the introduction and remarkable phenomena is quietly taking serve how it adorns merit and how often it sudden nervous shriek when the soldier first of this mode of blasting rocks in the United started to his feet and flung off his hat, and States.

had fallen trembling and half fainting in a chair, for she had recognized him.

"You hain't any business to interfere between me and my wife," said Tompkins sulkily cowed by the attitude of the soldier.

"Your wife!" exclaimed the soldier, with towns of Central Massachusetts a ragged and the very concentration of contempt expressed

"Who are you?" asked Tompkins, with an

"I am Harry Jones, since you ask," replied the soldier, "the owner of this land, which Ladoga lake, for a site to build up a large and of developing the green coloring matter of least thought Mr. Towne, who walked lessure- you will leave this very hour. As for Molly," ly behind him, going from reaping to his softening his tone as he turned to the woman, now sobbing hysterically, "she shall choose

"Oh, Harry!" said she, while Tompkins

With one step he was at her side, holding her in his arms.

"What did you mean by treating this poor child so? Did you do this because she had no earthly protector-did you think that there canals, by the filling up of swampy, boggy cular nerve. In what way and direction years." He rejoined suddenly, "Can you tell was not a God in Heaven against you? No places and the enactment of strict laws in ac- waves of sound are propagated through space me who lives in the next house? Is it yours?" man who is cruel to a woman is ever truly "No," replied Towne, "Tompkins lives brave," and Tompkins slunk away like a

> The next day had not passed away before had come, alive and well, to rescue his much enduring patient wife from a worse constraint than that of a British prison; but what they all said, and what Harry said, and what Molto imagine, for here the legend ends.

The Roll of Butter.

improved, and hopes were even entertained of meteorological observers, while in the tropics he leads her a dog's life. She missed it in economical grocer, who had commenced on an entire removal of the miasmatic poison. these phenomena can be foreseen with the marrying the fellow; but you see she had a small means; but by strict attention to his Even at the present time under the pontificate greatest certainty, as for instance the trade- hard time of it with the farm after Jones business, he succeeded in establishing a conof Pio Nono, one of the best men that ever winds which are constantly blowing in the went off soldiering; and when my son came siderable sized shop, and many were his cuswore the Papal mitre, that b autiful province equatorial regions. The rainyt season in back and said he was dead-he saw him tomers. But in this world are foxes who make is entirely neglected, the people having become India, generally called the monsoon, is com- bleeding to death on the battle field-she it their business to watch the m re honest, to more and more debased in the course of time, monle reckoned to include four months, viz: broke right down, and this Tompkins came carry off whatever fortune, as they call it,

One of this kind chanced to be in the entering, he hesitated for a second what he more suitable place for its concealment, he concealment; but, Wellington-like, he was pensity, as well as the entertainment he was ed him to stay a moment, and, after locking "private chat" with him as he was an old

people die in the average of consumption, a luxurousness quite unknown in temperate anything to travelers," she said, "but I always | After some hesitation he complied, fearing feel for the soldiers coming back, and I'll give he might be suspected, and he followed the

> appeared too tired to remove his hat from his and old times, Jack-Sharp became very uneasy from the effect of the butter having "I am glad to have you eat, and I would not softened and now beginning to trickle down *Batavia, now the name of the capital of the is- hurry you for anything," she said in a fright- bis cheeks. His handkerchief was applied ened way, "but you will eat quick, won't you? often in wiping away what might be supposed to be sweat, but in reality it was the "butter," The man drew his chair to the table, keep- and it mi-ht be guessed he was earning his trhe year in India is commonly divided into the rainy ing his hat on his head, as though he belonged butter, (if not his bread), by the sweat of his

be, for the Friends do not go to war. He ate At last the old man exclaimed "Bless me, heartily of the bread and butter and cold meat | you are sweating -sweating profusely. Really, I forgot to ask you to take off your hat." At this instant he snatched off our friend's ha; "Dear me," said she to herself, 'if he only when, thunder and Mars! the butter han What! what! you have had the misfortune to

> that he himself had been sold to pay for the in the hands of the shop-keeper, who had

> which way he was going, but when he did

BLASTING ROCKS UNDER WATER.-The d d by a current of electricity. In shallow